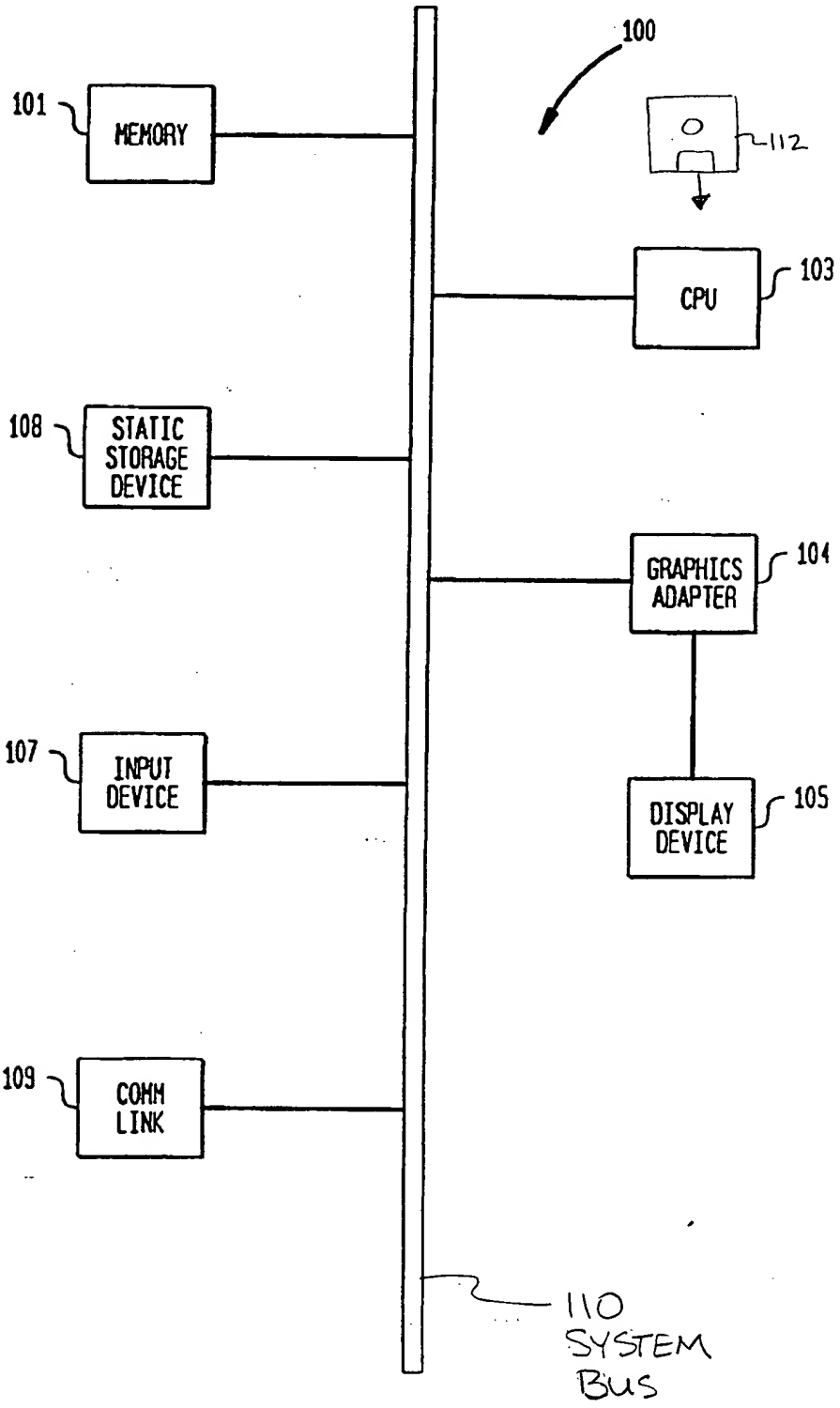
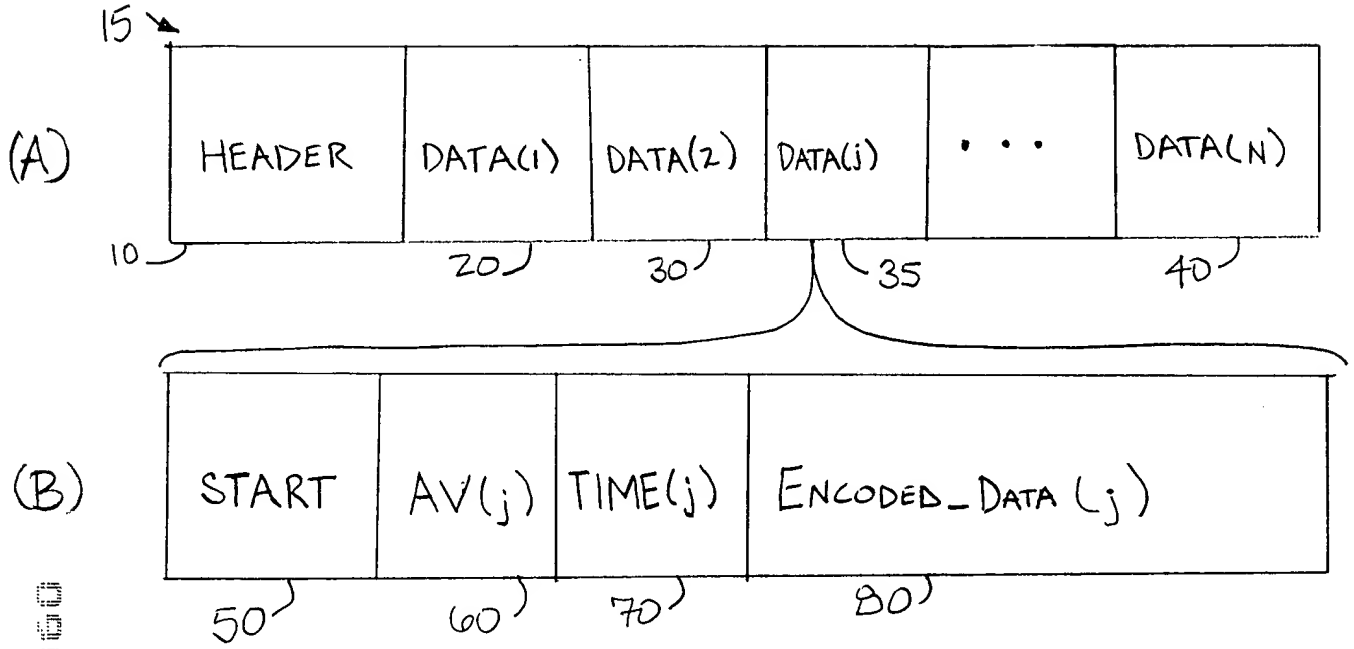
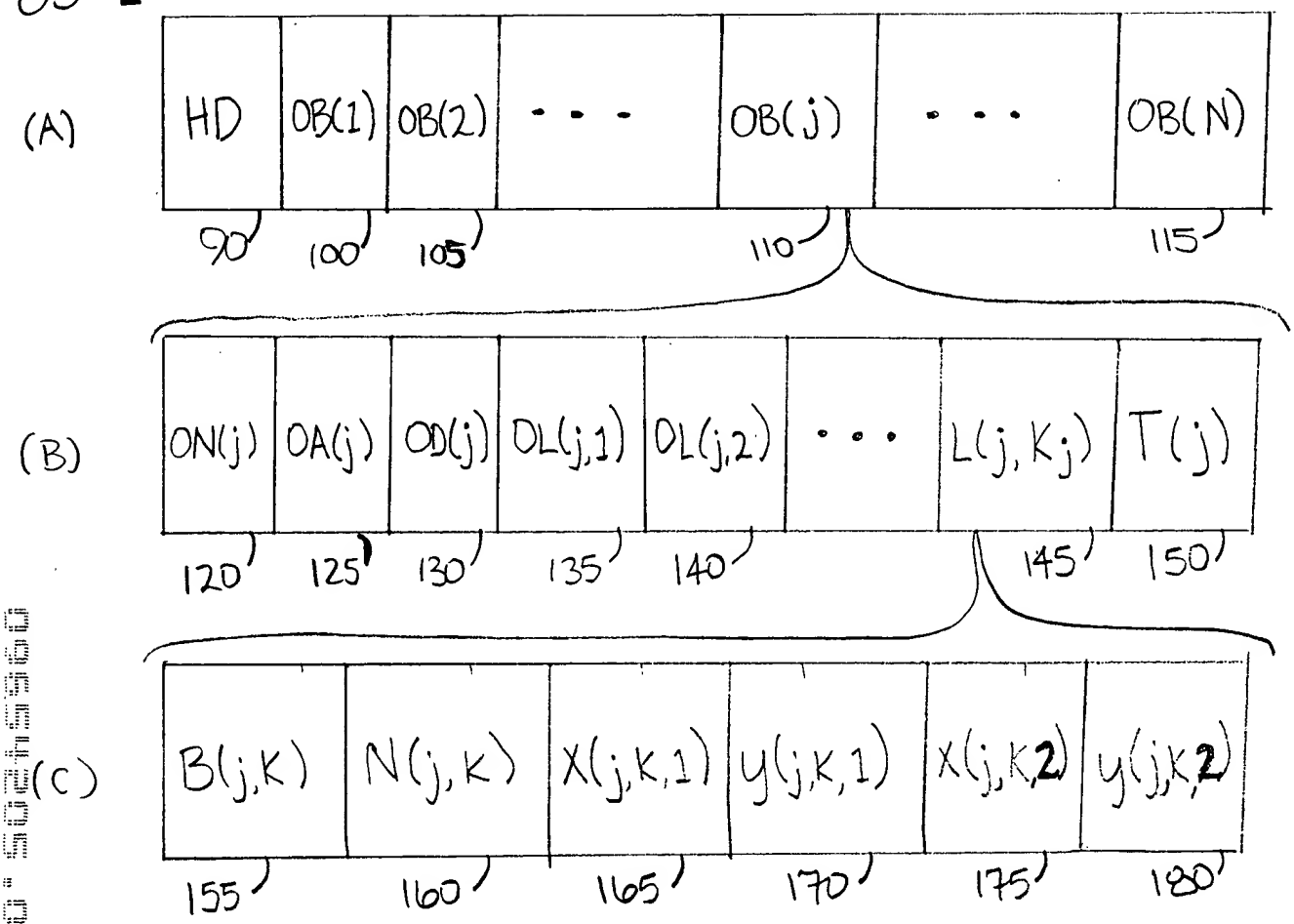
FIG. 1


100
101
MEMORY
112
CPU
103
108
STATIC STORAGE DEVICE
GRAPHICS ADAPTER
104
107
INPUT DEVICE
DISPLAY DEVICE
105
109
COMM LINK
110
SYSTEM Bus



(A) MPEG FORMATTED VIDEO FILE
(B) MPEG FORMATTED DATA FILE

FIG. 2



(A) STRUCTURE FOR ENCODED HYPERLINK DATA FILE
(B) STRUCTURE FOR OBJECT OB(j)
(C) STRUCTURE FOR IDENTIFIERS L(j,K)

FIG. 3

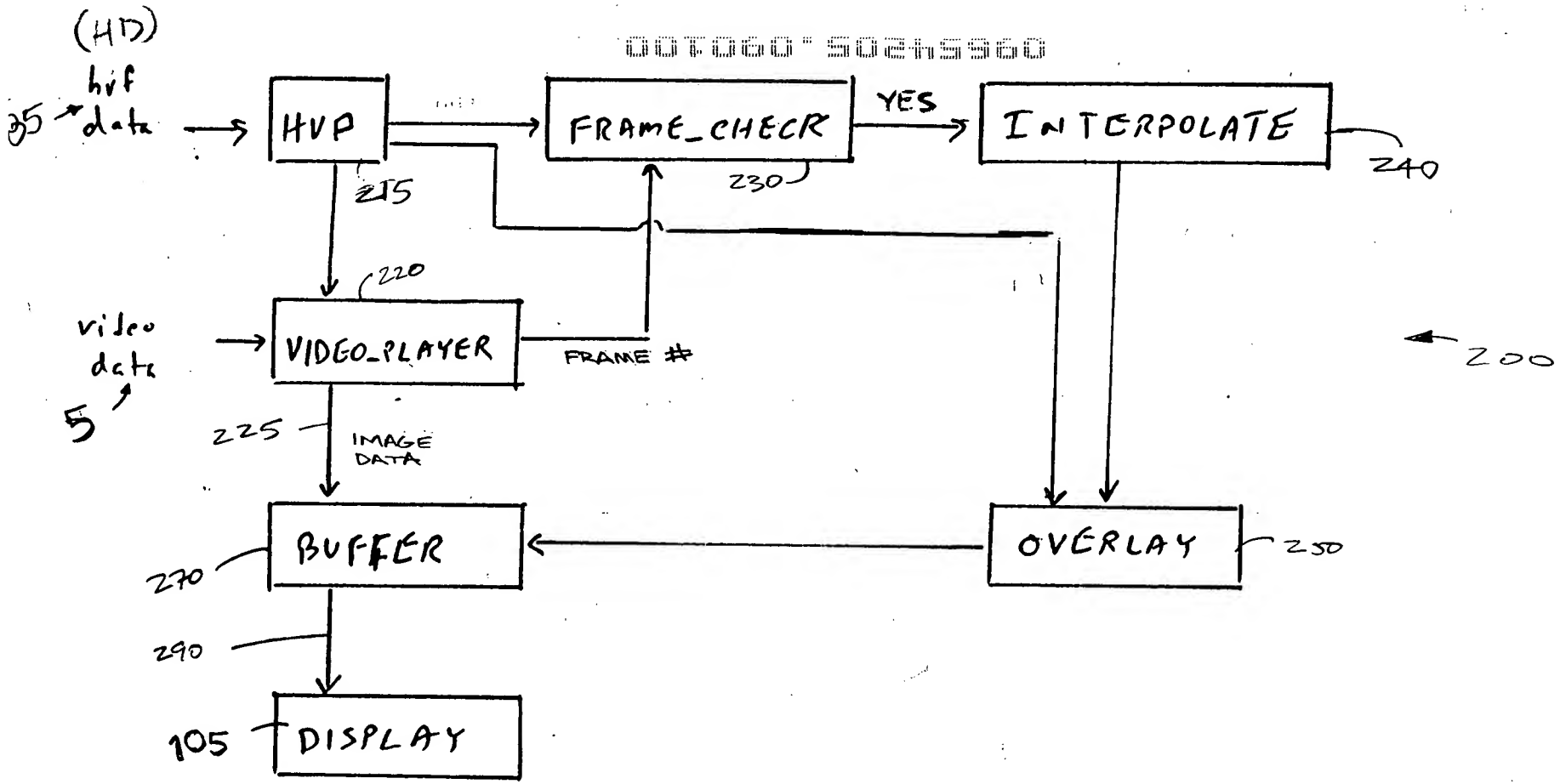


Figure 4

Hot video playback system

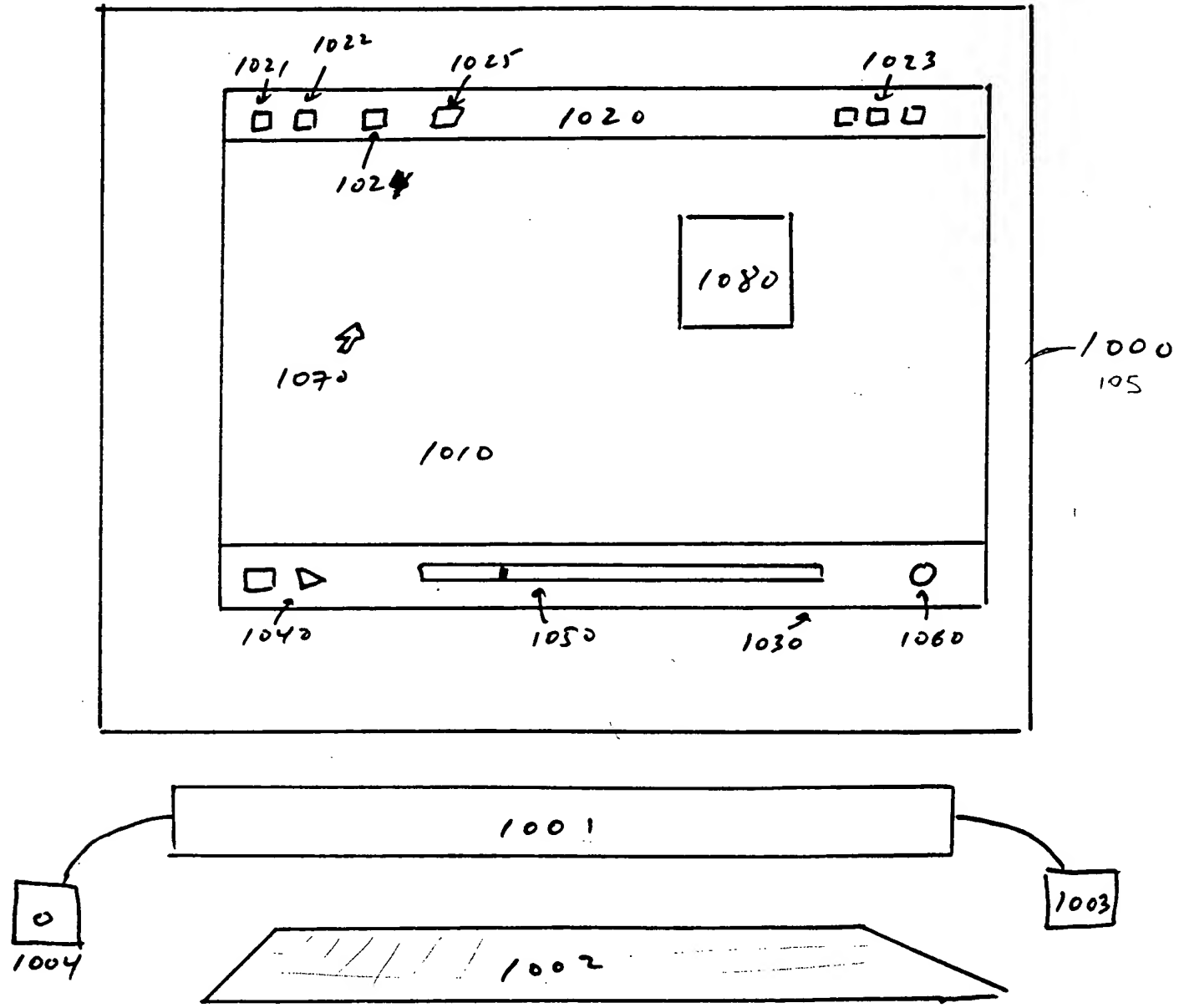

1021
1022
1025
1023
1020
1024
1080
1000
105
1070
1010
1040
1050
1030
1060
1001
0
1004
1003
1002

Figure 5

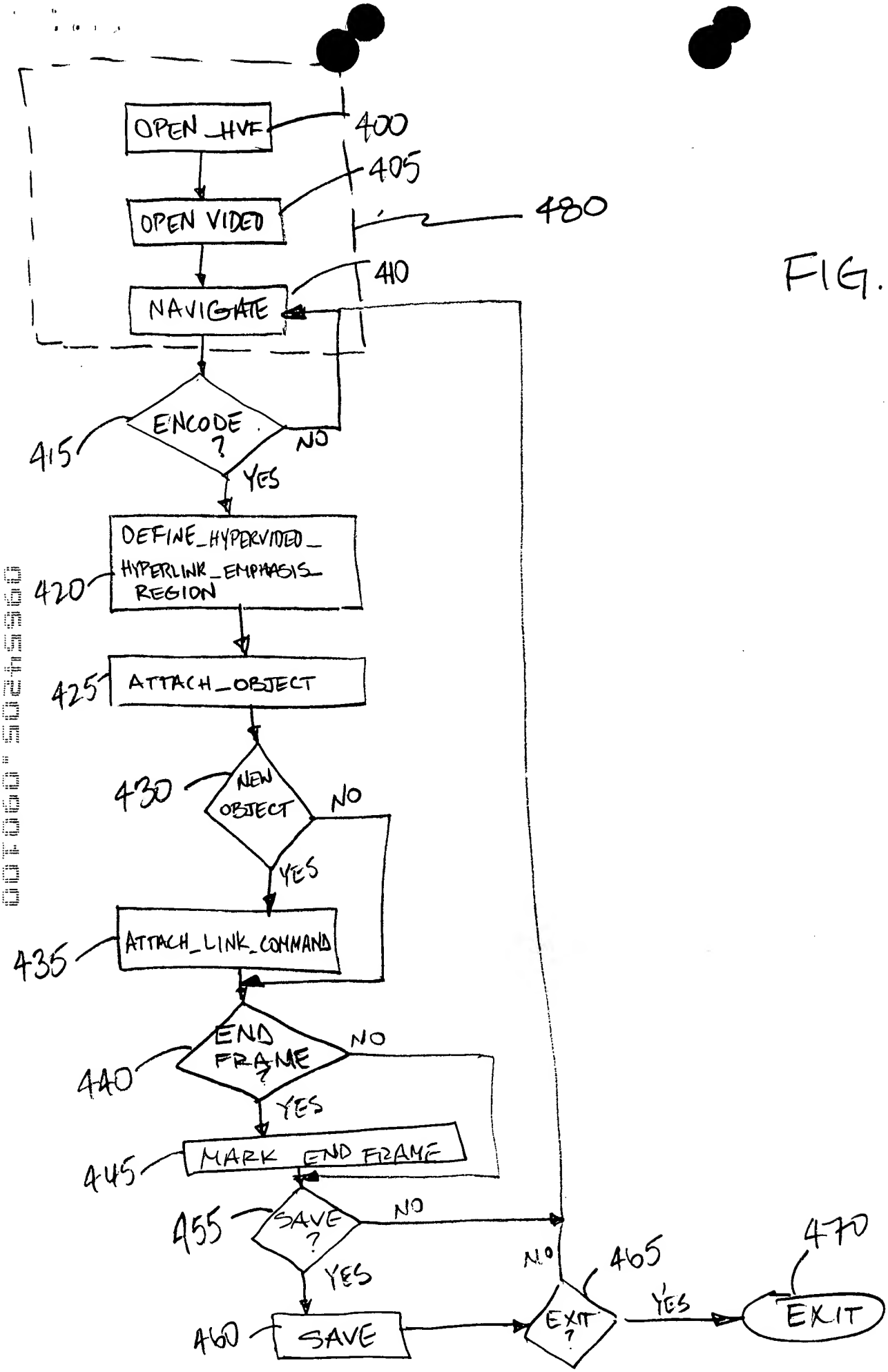

OPEN_HVF
400
OPEN VIDEO
405
480
NAVIGATE
410
ENCODE ?
415
NO
YES
DEFINE_HYPERVIDEO_HYPERLINK_EMPHASIS_REGION
420
ATTACH_OBJECT
425
NEW OBJECT
430
NO
YES
ATTACH_LINK_COMMAND
435
END FRAME ?
440
NO
YES
MARK END FRAME
445
SAVE ?
455
NO
YES
SAVE
460
EXIT ?
465
NO
YES
EXIT
470

FIG. 6

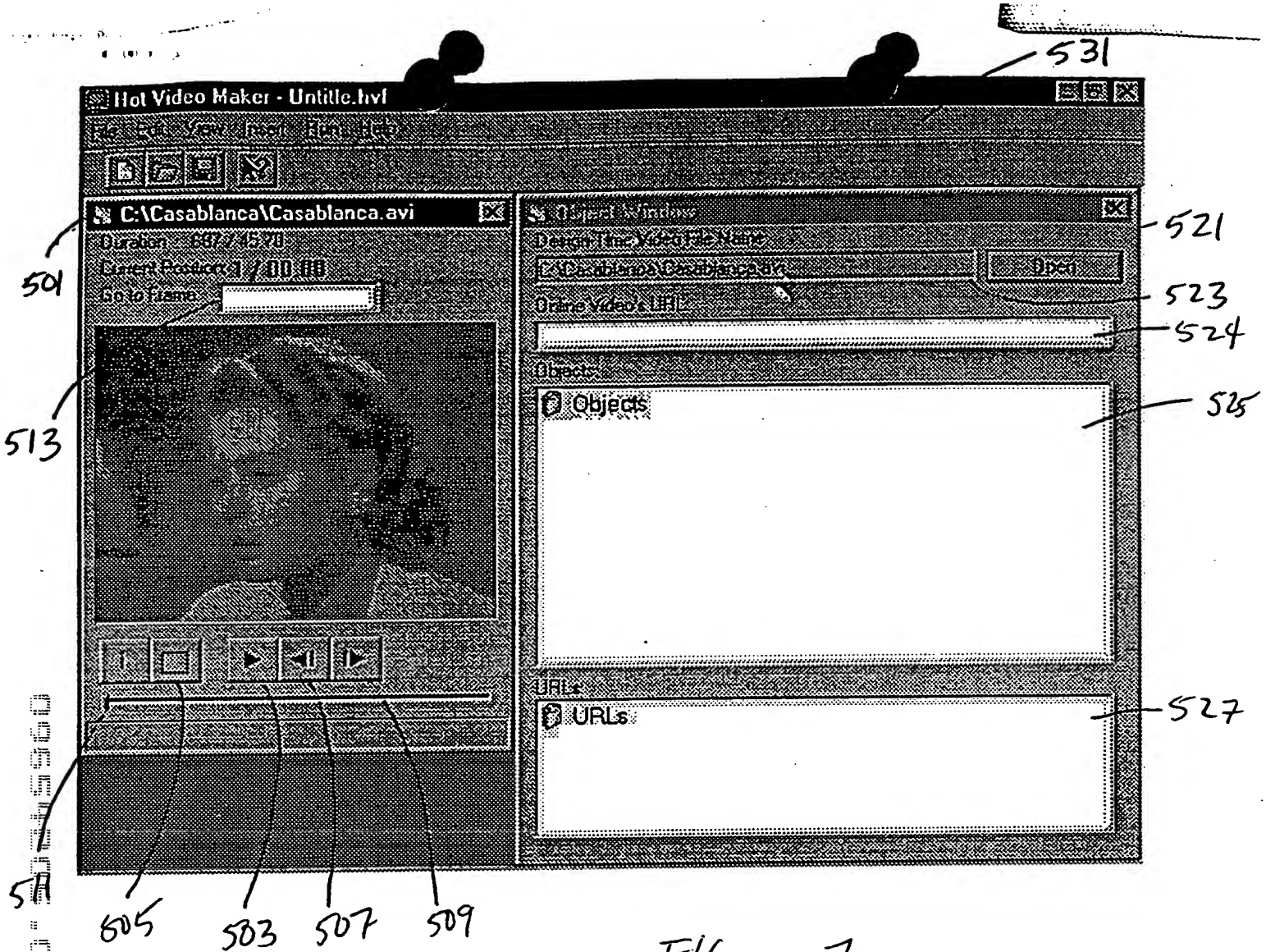

Hot Video Maker - Untitle.hvf
File Edit View Insert Run Help
C:\Casablanca\Casablanca.avi
Duration
Current Position
Go to Frame:
Object Window
Design Time Video File Name:
Open
Online Video's URL:
Objects:
Objects
URLs:
URLs
531
521
501
523
524
513
525
527
505
503
507
509

FIG. 7

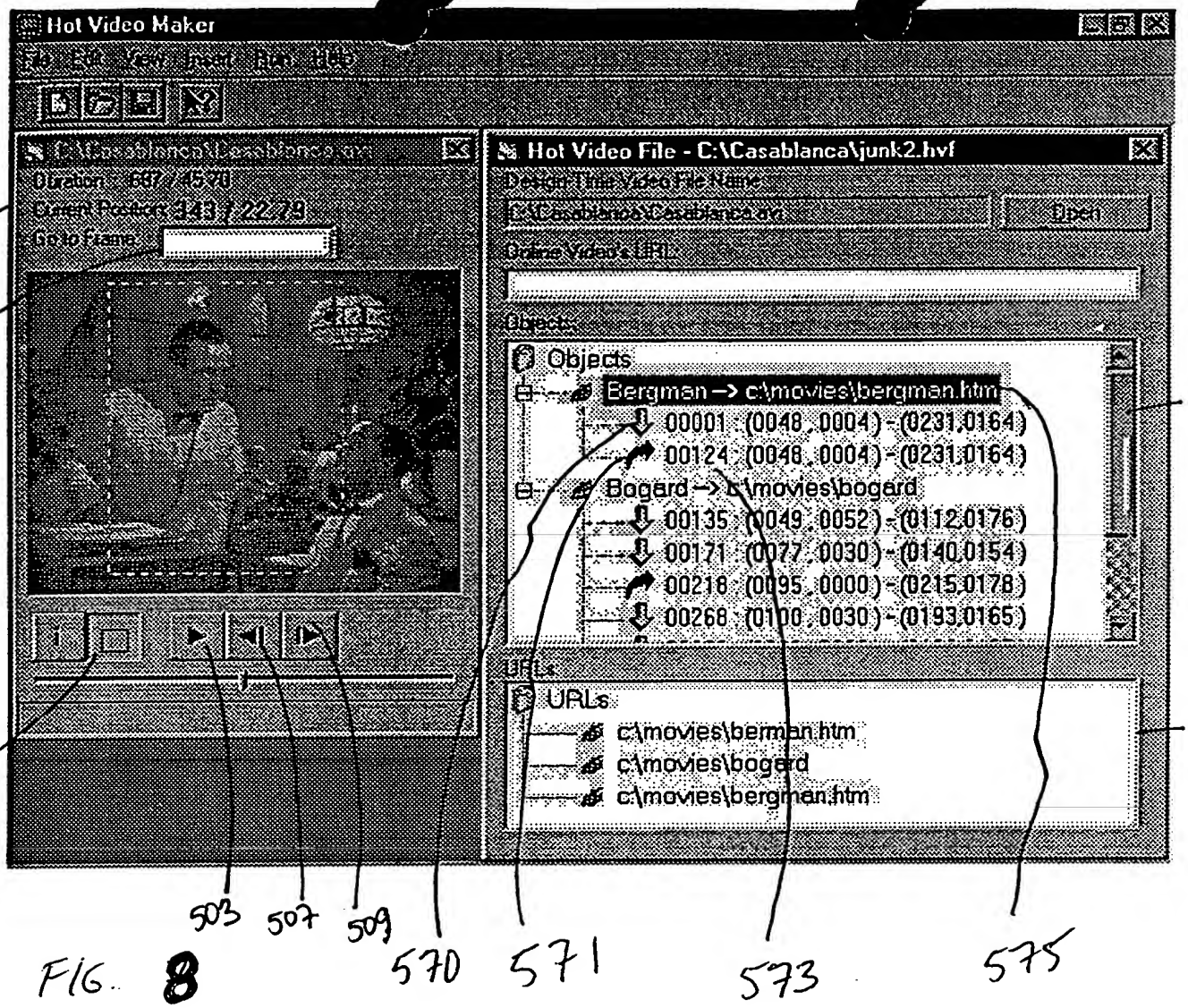

Hot Video Maker
Hot Video File - C:\Casablanca\junk2.hvf
Design-Time Video File Name:
Open
Online Video's URL:
Objects:
Objects
Bergman -> c:\movies\bergman.htm
00001 (0048,0004)-(0231,0164)
00124 (0048,0004)-(0231,0164)
Bogard -> c:\movies\bogard
00135 (0049,0052)-(0112,0176)
00171 (0077,0030)-(0140,0154)
00218 (0095,0000)-(0215,0178)
00268 (0100,0030)-(0193,0165)
URLs:
URLs
c:\movies\berman.htm
c:\movies\bogard
c:\movies\bergman.htm
501
503
505
507
509
570
571
573
575
525
527

FIG. 8

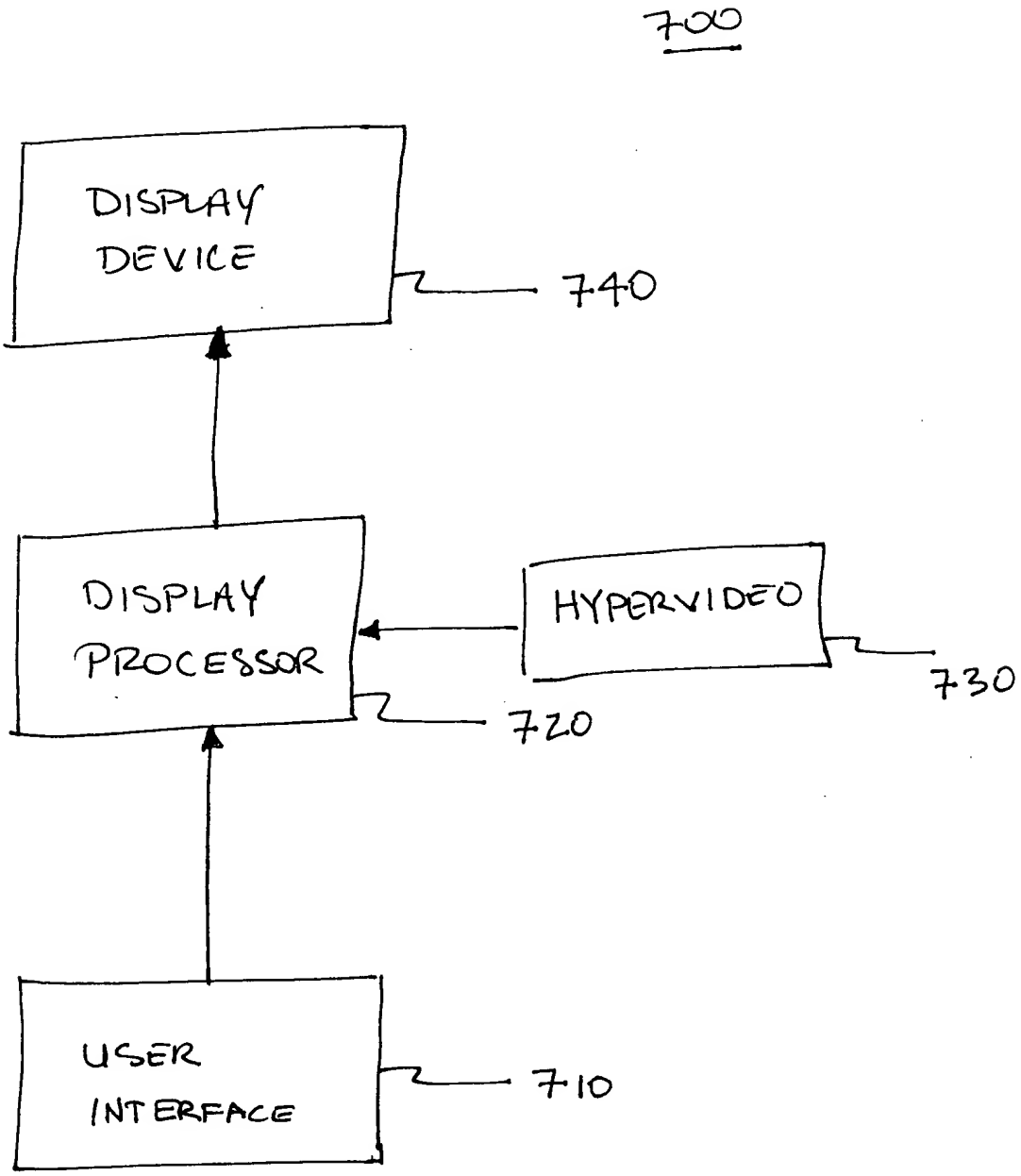

700
DISPLAY DEVICE
740
DISPLAY PROCESSOR
720
HYPERVIDEO
730
USER INTERFACE
710

FIG. 9